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J. Playfair McMurrich, the University of Toronto: "The Genus *Arachnactis*."

S. O. Mast, Goucher College, Baltimore: "Reactions of *Amœba* to Light."

Maynard M. Metcalf, Oberlin College: "Studies on *Amœba*. I. On the Localization of the Excretory Function in *Amœba proteus*."

T. H. Morgan, Columbia University: "Studies on Eggs Subjected to Centrifugal Force."

Henry F. Nachtrieb, University of Minnesota: "The Primitive Pores of *Polyodon spathula* (Walbaum)."

Henry Leslie Osborn, Hamline University: "On the Structure of *Cryptogonimus* (nov. gen.) *chyli* (n. sp.) an Aberrant Distome, from Fishes of Michigan and New York."

G. C. Price, Leland Stanford Jr. University: "The Structure and Function of the Adult Head Kidney of *Bdellostoma stouti*."

A. M. Reese, West Virginia University: "The Lateral Line System of *Chimæra coliei*."

Samuel Rittenhouse, Olivet College: "The Embryology of *Stomatoca apicata*."

David H. Tennent, Bryn Mawr College: "Variation in Echinoid Plutei."

Albert H. Tuttle, University of Virginia: "Mitosis in *Edogonium*."

Edmund B. Wilson, Columbia University: "Studies on Chromosomes."

H. V. Wilson, University of North Carolina: "A Study of Some Epithelioid Membranes in Monaxonid Sponges."

SCIENTIFIC NOTES AND NEWS

WILLIAM JAMES, emeritus professor of philosophy in Harvard University, died at his summer home at Chocorua, N. H., from heart disease on August 26, in his sixty-ninth year.

DR. SIGMUND EXNER will preside over the International Physiological Congress which meets at Vienna at the end of September.

PROFESSOR SCHULTZE, the eminent biological chemist of the Zurich School of Technology, has been made an honorary doctor of Heidelberg University, on the occasion of his seventieth birthday.

DR. EDMUND WEISS, professor of astronomy at Vienna, has celebrated the fiftieth anniversary of his doctorate.

DR. ALBERT EULENBERG, professor of neurology at Berlin, celebrated his seventieth birthday on August 10.

DR. A. E. KENNELLY, of Harvard University, and Mr. C. F. Scott represented the United States at the informal conference of the International Electrical Commission, held at Brussels in August.

At the University of Washington, on June 14, an address before the Sigma Xi was given by Professor Alexander Smith, of the department of chemistry of the University of Chicago, his subject being "The Balance Sheet of Science." At the summer session of the same university Professor Smith gave a series of twelve lectures on the subject of "The Teaching of Chemistry."

DR. H. C. COOPER, associate professor of chemistry, Syracuse University, is delivering a course of twelve lectures on "Physico-Chemical Analysis" during the summer quarter of the University of Chicago.

THE inaugural address on the occasion of the opening of the winter session of the London School of Tropical Medicine will be delivered by Professor Miers, of the University of London, on October 14.

WILLIAM EARL DODGE SCOTT, curator of the department of ornithology of Princeton University, has died at the age of fifty-eight years.

CHARLES BARTON HILL, formerly connected with the Lick Observatory and the U. S. Coast and Geodetic Survey, died at San Francisco on August 25, at the age of forty-seven years.

DR. ROBERT AMORY, a Boston physician, at one time lecturer on physiology at Harvard Medical School, and professor of physiology at Bowdoin College, died on August 27, at the age of fifty-eight years.

DR. PAUL MANTEGAZZA, the eminent Italian anthropologist, died on August 28, at the age of seventy-nine years.

THE New York State Civil Service Commission will hold an examination on September 24, to fill the position of clinical patholo-

gist in the Cancer Laboratory at Buffalo, at a salary of \$2,500 a year.

THE Pasteur Institute of Paris has received a large bequest from Mme. Catherine Schumacher.

THE eastern branch of the American Society of Zoologists will meet during Convocation Week at Ithaca, New York.

THE medical tour organized by the German Central Committee this year will start from Stuttgart on September 1, and visit Ragaz, Flims, Davos, Vulpera, Tarasp, St. Moritz, Zuoz, Pontresina, Sils-Maria, Lugano, Montreux, Caux, Glion, Leysin, Evian, Interlaken and Bern, ending at Freiburg in Baden on September 19.

THE Second Quinquennial International Congress of Anatomists was held at Brussels from August 7 to 11. The London *Times* states that the meetings were held in the morning in the university, and in the afternoon demonstrations were given in the Anatomy School in the Parc Leopold. There was also an official reception by the Municipality in the Hôtel de Ville, besides the customary dinner of the members. Some fifty papers were read, the great majority of them dealing with embryology, both human and comparative, and histology. Such subjects as the development of the blood cells, their classification and terminology, and the earliest stages of development of the fertilized ovum in man, in marsupials, and in the rodents of North America were fully treated by Minot, of Boston; Hill, of London; Lee, of Minneapolis; Lams, of France; Maximow and Frau Dantschakoff, of Germany, and others. An international committee was appointed to consider and draw up a uniform nomenclature in embryology.

THE Royal Sanitary Institute preliminary program of the Twenty-fifth Congress, to be held in Brighton from September 5 to 10, is abstracted in the London *Times*. The president of the congress is Sir John Cockburn. Dr. A. Newsholme (principal medical officer, local government board) will deliver the lecture to the congress on "The National Import-

tance of Child Mortality," and Dr. Alex. Hill will deliver the popular lecture on "The Bricks with which the Body is Built." A large number of local authorities have already appointed delegates to the congress, and as there are also over 3,800 members and associates in the institute there will probably be a large attendance, in addition to the local members of the congress. A health exhibition of apparatus and appliances relating to health and domestic use will be held as illustrating the application and carrying out of the principles and methods discussed at the meetings; it not only serves this purpose, but also an important one in diffusing sanitary knowledge among a large class who do not attend the other meetings of the congress. The congress will include general addresses and lectures, and two section meetings, for two days each, dealing with: Section I.—Sanitary Science and Preventive Medicine. President, Professor E. W. Hope, medical officer of health, city and port of Liverpool. Section II.—Engineering and Architecture. President, Mr. Henry Rofe. There will be eight special conferences, namely: "Municipal Representatives," "Port Sanitary Authorities," "Medical Officers of Health," "Engineers and Surveyors to County and other Sanitary Authorities," "Veterinary Inspectors," "Sanitary Inspectors," "Women on Hygiene," presided over by Lady Chichester, and "Hygiene of Childhood," presided over by Sir William Collins, M.P.

THE British registrar-general has issued his return relating to the births and deaths in the second quarter of the year, and to the marriages in the three months ending March last. As abstracted in the *British Medical Journal*, the marriage-rate during that period was equal to 12.6 per 1,000, or 1.4 per 1,000 more than the average rate for the corresponding quarter of the ten preceding years. The 234,814 births registered in England and Wales during the quarter ending June last were equal to an annual rate of 26.0 per 1,000 of the population, estimated at 36,169,150 persons in the middle of the year; the birth-rate last quarter was 2.1 per 1,000 below the average for the second

quarter of the ten preceding years, and was lower than the rate for the corresponding period of any year since civil registration was established. Among the several counties the birth-rates ranged from 19.3 in Carnarvonshire, 20.0 in Sussex, 21.0 in Kent, 21.1 in Devonshire, 21.6 in Northamptonshire and 21.7 in Cornwall, to 30.0 in Nottinghamshire, 30.1 in the North Riding of Yorkshire, 32.6 in Carmarthenshire, 34.0 in Durham, 35.7 in Glamorganshire and 37.4 in Monmouthshire. In seventy-seven of the largest towns, including London, the birth-rate averaged 26.1 per 1,000, and ranged from 14.2 in Hornsey and Hastings, 18.4 in Bournemouth, 19.1 in Halifax and 19.5 in Handsworth (Staffs) and in Bradford, to 34.3 in Coventry, 34.4 in Tyne-mouth, 34.6 in Swansea, 35.9 in St. Helens and 41.0 in Rhondda; in London the birth-rate was 24.9 per 1,000. The births registered in England and Wales during the quarter under notice exceeded the deaths by 119,112, the excess in the corresponding period of the three preceding years having been 111,198, 122,782 and 111,998, respectively. From a return issued by the board of trade it appears that the passenger movement between the United Kingdom and places outside Europe resulted in a net balance outward of 42,920 English passengers, 868 Welsh, 20,854 Scottish, 11,708 Irish and 18,202 of foreign nationality, whilst there was a net balance inward of 5,461 British colonial passengers. During the second quarter of the year the deaths of 115,702 persons were registered, equal to an annual rate of 12.8 per 1,000, or 2.3 per 1,000 lower than the average rate in the ten preceding second quarters; the death-rate last quarter, like the birth-rate, is the lowest ever recorded for that period of the year. Among the several counties the death-rates ranged from 9.7 in Essex, 9.8 in Middlesex, 10.6 in Leicestershire, 10.9 in Kent and in Northamptonshire and 11.0 in Worcestershire to 15.1 in Carnarvonshire, 15.2 in Cumberland, 15.6 in Monmouthshire, 18.2 in Carmarthenshire and 18.3 in Denbigshire. In seventy-seven of the largest towns the death-rate averaged 12.6 per 1,000; in London it was

11.6 per 1,000, while among the other towns it ranged from 7.4 in Hornsey, 7.5 in King's Norton and 7.7 in Walthamstow and in Handsworth (Staffs) to 16.1 in Stockport, 16.2 in Manchester, 17.7 in Liverpool, 17.8 in Oldham and 20.6 in Merthyr Tydfil. The mortality among persons aged 1 to 60 years was at the rate of 6.5 per 1,000 of the population estimated to be living at those ages, and was 1.4 per 1,000 below the average rate in the corresponding period of the ten preceding years. Among persons aged 60 years and upwards the death-rate in the quarter under notice was 61.5 per 1,000 or 4.3 per 1,000 less than the average in the ten preceding second quarters.

UNIVERSITY AND EDUCATIONAL NEWS

THE national memorial to Grover Cleveland is to take the form of a tower to be erected at Princeton as part of the buildings of the graduate school, with which Mr. Cleveland was closely identified during the last years of his life. The tower will be about 150 feet high and 40 feet square. It will cost \$100,000, of which sum \$75,000 have already been given.

MISS B. HENAN has given \$50,000 to Cork University for the establishment of scholarships.

DEAN E. W. STANTON, of the Iowa State College, has been appointed acting-president of the institution.

MR. EDWARD J. KUNZE has been appointed assistant professor of mechanical engineering at the Michigan Agricultural College.

DR. NORMAN A. DUBOIS, of the department of chemistry of the Case School of Applied Science, has been elected professor of chemistry in the School of Pharmacy of Western Reserve University.

DR. OTTO FRITZSCHE, chief engineer of the Krupp works in Essen, has accepted the chair of mechanics in the Freiburg Mining School.

DR. LUDWIG KNORR, of Jena, has accepted a call to Würzburg, as successor to Professor J. Tafel.